

Heat Pump/Air Conditioners (AC) sold or hired in New Zealand must, by law, comply with [minimum energy performance standards \(MEPS\)](#) and [mandatory energy performance labelling \(MEPL\)](#) requirements. This document outlines the requirements and how to meet them if you import or manufacture heat pump/air conditioners in New Zealand.

Why have MEPS & MEPL for heat pump/air conditioners?

Minimum energy performance standards (MEPS) improve the efficiency of manufacture heat pump/air conditioners and mandatory energy performance labelling (MEPL) enables customers to compare and select more efficient single phase models, saving on running costs and reducing greenhouse gas emissions over the life of the product.

Which heat pump/air conditioners are included?

MEPS cover both three phase and single phase heat pump/air conditioners with a rated cooling capacity of 65 kW and below (including add-on coolers). MEPL covers some single phase heat pump/air conditioners.

What do I need to do to comply with the law?

Importer and manufacturers of heat pump/air conditioners, are required to:

- [Step-1](#) Ensure each AC model has been tested to **AS/NZS 3823. (1.1:2012 or 1.2:2012 or 1.4:2012 or 3:2002)** and meets or exceeds the minimum energy performance levels in **AS/NZS 3823.2:2013**.
- [Step-2](#) Supply or attach the energy performance label on each applicable model as specified in **AS/NZS 3823.2:2013**.
- [Step-3](#) Register each HP/AC model through the energy rating website.
- [Step-4](#) Provide EECA with product sales, import and export data each year.

Retailers are required to check their products are registered on the [energy rating website](#); and display the energy performance label on products on display for sale or hire.

See the questions and answers below for more information

Which heat pump/air conditioners are excluded?

MEPS and MEPL do **not** apply to;

- close controlled air conditioners within the scope of AS/NZS 4965 and **chillers** within the scope of AS/NZS 4776
- ground-water-sourced and ground-loop-sourced heat pumps/air conditioners as defined in AS/NZS 3823.1.3
- unbalanced air conditioners and spot coolers (these include some portable types),
- heat pumps/air conditioners specifically designed and sold only for installation in mobile applications such as caravans, mobile homes, campervans, boats and rail cars, or
- products that deliver conditioned outdoor air to an indoor conditioned space.

MEPL does **not** apply to;

- Ducted heat pumps/air conditioners,
- Multi-split heat pumps/air conditioners (where two or more independently controlled indoor units are connected to one outdoor unit),
- Three phase heat pumps/air conditioners, or
- Single phase non-ducted heat pumps/air conditioners that meet all of the following conditions;
 - designed for non-residential applications,
 - not on display for sale through retail outlets, and
 - not promoted in any catalogue or advertising material that could be interpreted as suitable for some residential applications.

Which standards apply?

AS/NZS 3823.2:2013: Performance of electrical appliances—Air conditioners and heat pumps—Part 2: Energy labelling and minimum energy performance standards (MEPS) requirements.

AS/NZS 3823.1.1:2012: Performance of electrical appliances—Air conditioners and heat pumps—Non-ducted air conditioners and heat pumps—Testing and rating for performance, or

AS/NZS 3823.1.2:2012: Performance of electrical appliances—Air conditioners and heat pumps—Test methods—Ducted air conditioners and air-to-air heat pumps—Testing and rating for performance; or

AS/NZS 3823.1.4:2012: Performance of electrical appliances—Air conditioners and heat pumps— Part 1.4: Multiple split-system air conditioners and air-to-air heat pumps— Testing and rating for performance; or

AS/NZS 3823.3:2002: Performance of electrical appliances—Air conditioners and heat pumps—Calculation of performance for minimum energy performance standard (MEPS) requirements.

AS/NZS 3823.3:2002 can be used to simulate multi-split heat pump/air conditioners when applied:

- in accordance with clause 3.4(c) or (d) of AS/NZS 3823.2:2013; and
- despite clause 1.1(ii) of AS/NZS 3823.3:2002; and
- as if clauses 1.5, 1.6.1, 2.1, 2.2, 2.5.2, 2.7.2, and 2.7.3 of AS/NZS 3823.3:2002 included a reference to AS/NZS 3823.1.4:2012

For variable refrigerant flow (VRF) multi-split systems, the following testing standards applied in accordance with clause 3.11 of **AS/NZS 3823.2:2013**:

ANSI/AHRI 1230-2010 with Addendum 1: Performance Rating of Variable Refrigerant Flow (VRF) Multi-Split Air-Conditioning and Heat Pump Equipment:

BS EN 14511-3:2011 Air conditioners, liquid chilling packages and heat pumps with electrically driven compressors for space heating and cooling—Part 3: Test methods:

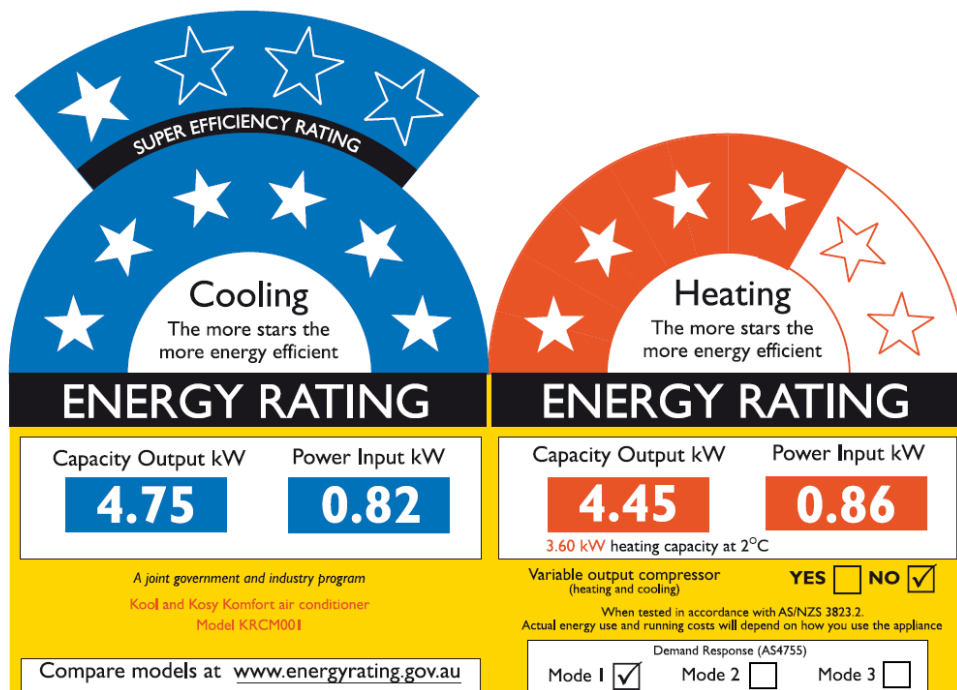
ISO 15042:2011 Multiple split-system air-conditioners and air-to-air heat pumps—Testing and rating for performance

ISO 5151:2010 Non-ducted air conditioners and heat pumps—Testing and rating for performance

Standards are available for purchase from www.standards.co.nz and for inspection at [EECA's head office](#).

What are the MEPL requirements for heat pump/air conditioners?

Heat pump/air conditioner must be provided with an energy rating label as shown below. For details on the energy rating label see **AS/NZS 3823.2:2013**.



Standards are available for purchase from [Standards New Zealand](#) and for inspection at [EECA's head office](#).

See the [running costs calculator](#) to find out how a choosing a high star rating can reduce the cost to run a heat pump/air conditioner.

A template of this label can be downloaded from the [energy rating website](#). For more information on MEPL for heat pump/air conditioner see **AS/NZS 3823.2:2013**.

How do I register a heat pump/air conditioner on the energy rating website?

If the pump/air conditioner you are about to register is already registered you are not required to register it. To check, search for the model at: reg.energyrating.gov.au/comparator/product_types.

If it is not already registered download our quick start guide at: www.eeca.govt.nz/resource/online-product-registration-guide.

If you haven't used the energyrating.gov.au website before, follow these instructions:

Step 1 Open the registration page: reg.energyrating.gov.au/accounts/register.

Step 2 Create an account and log in.

Step 3 Create an applicant, add contact people etc. as required.

Step 4 Create a new product registration (you will need a test report).

Step 5 Select 'Air Conditioner (AC)'.

Step 6 Follow the steps until all fields are complete.

Step 7 Once submitted you will be e-mailed a Registration ID, record this as you will need it to provide sales data each year.

Note: A range of heat pump/air conditioner models, manufactured in multiple styles, may be registered as a product "family" if the family definition (below) is met.

What is a family of models?

A range of heat pump/air conditioner models may be registered as a product "family" and identified & tested based on a single representative model if all models have the same;

- brand, relevant physical characteristics, and refrigerant; and,
- energy performance characteristics; and,
- set of test reports applicable for registration.

What information do I need to provide to EECA each year and how do I do it?

Importers and manufacturers are required, by law, to provide statistical information on sales, import and export data annually to EECA.

Data needs to be submitted every year by 1 August, for the period 1 April to 31 March. For example, data from 1 April 2013 to 31 March 2014 must be received by 1 August 2014. The information is submitted through the EECA website where you need to:

Step 1 Set up a user account at www.eeca.govt.nz/webform/request-user-account.

Step 2 Once approved, log in at www.eeca.govt.nz/user/register/supplier/login.

Step 3 When logged in follow the links and instructions for the EECA sales data return tool.

Step 4 Enter your product data - you will need your Registration ID number - the following information is required for each registered model:

- Sales in New Zealand between 1 April and 31 March.
- Imports into New Zealand between 1 April and 31 March.
- Exports from New Zealand between 1 April and 31 March.

Where do I get additional information?

More information about regulated products and how to meet your legal obligations can be found at www.eeca.govt.nz/product-standards.

See the [running costs calculator](#) to find out how choosing a higher star rating can reduce the running costs of products.

There is also information on the energy rating website at www.energyrating.gov.au.

If you have any questions, please email us at compliance@eeca.govt.nz, or phone EECA on **0800 358 676**.